

## **Charge and Duties of Science Panel**

1. Review goals, objectives, decision making procedures, and Science Panel Charges, and recommend adjustments.
2. Immediately and periodically review membership and recommend adjustments or additional expertise needed.
3. Prepare scope of work for a consultant/contractor to:
  1. Gather and review existing literature on unique features of Great Salt Lake ecosystem, including human influences
  2. Gather and review pertinent site-specific and outside data on ecotoxicology of Se
  3. Gather and review pertinent site-specific and relevant outside data to define the lake chemistry, e.g. the chemistry and fate of selenium, through the upper water column, brine layer, sediment, atmosphere and biota, and, evaluate the potential variance associated with water levels and atmospheric conditions
  4. Provide for independent peer review of scientific studies, as needed.
4. Identify gaps in scientific understanding that must be addressed to develop the standard.
5. Specify appropriate sampling and laboratory methodologies for Se in Great Salt Lake, its tributaries and discharges.
6. Prioritize other water contaminants of concern and suggest methods to include in present study provided that such activities do not interfere with the development of a selenium standard.
7. Prioritize and recommend (to Steering Committee) the research needed.
8. Assist Steering Committee and the Division of Water Quality in the following:
  1. Selection of research contractors
  2. Periodic review of contractors and work plans
  3. Recommend funding sources
9. Interpret literature and results of site-specific scientific studies and agree on conclusions toward the standard.
10. Periodically report to Steering Committee on progress and significant findings.
11. Recommend standard(s) to Steering Committee.
12. Review and comment on methodologies and media needed for continued monitoring of Se accumulation in Great Salt Lake ecosystem.

September 29, 2004